

I claim:

1. A method of synchronizing transmission devices in a block-coded bidirectional data transmission via a bit-oriented channel, wherein transmission devices are disposed at a transmitting end and at a receiving end, the method which comprises:

assuming, with the two transmission devices, an asynchronous synchronization state at a beginning of a data transmission and in each case transmitting first flags to a respectively opposite end, and first synchronizing each of the transmission devices to one of the first flags and further flags received thereby; and

upon a successful synchronization by one of the two transmission devices, transmitting the further flags to the opposite end until no further first flags are received by the opposite end and synchronization has thus been achieved at both transmission devices, and subsequently starting a data transmission.

2. The method according to claim 1, wherein the transmission devices are coding systems comprising one of block encoders and block decoders.

3. A synchronizing method, which comprises:

providing a first transmission device at a transmitting end and a second transmission device at a receiving end of a system enabled for block-coded bidirectional data transmission via a bit-oriented channel;

placing the first and second transmission devices into an asynchronous synchronization state at a beginning of a data transmission and transmitting first flags from the first transmission device to the second transmission device and from the second transmission device to the first transmission device, and wherein each of the transmission devices first synchronizes to one of the first flags and further flags received thereby; and

upon a successful synchronization by one of the first and second transmission devices, transmitting the further flags from the one transmission device to the other transmission device until no further first flags are received by the one transmission device, indicating that synchronism has been achieved at the first and second transmission devices and a data transmission between the first and second transmission device can be started.